I Heap Sort

a) - left 2 fight O(n) because we have to traverse the linked fist -parent: O(2n) > O(n) because we have to find the children first and then traverse to find the parent

6)

- find Max () = 0(1) Because we

Max is at the beginning of the heap

insert (key): O(n) b/c we need time

to traverse to the place needed to be
insert

extract Max () = O(n) b/c when we
extract max, we have to reassign pointers
of the theap to create a new heap with
a new Max

